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Rubber World

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Volume 191, No. 6

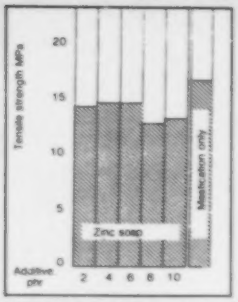
Natural rubber

Epoxidized NR
Controlling NR processability
Compounding ingredients price list
Truck tire requirements

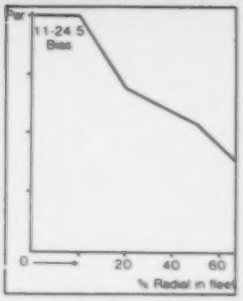
Contents

Vol. 191, No. 6/March 1985

Natural rubber p. 15



NR processability p. 21



Truck tire requirements p. 26

7 Business Briefs
Acquisitions, expansions; contracts, licenses; financial statements; markets, news.

12 Tech Service: ENR — a new breed
by Jon Monough, contributing technical services editor. ENR is formed by adding epoxide groups to the backbone of the natural rubber molecule. Author looks at how ENR is compounded, its benefits and its uses.

15 Epoxidized natural rubber — a new synthetic polymer?
by Crispin S.L. Baker and Ian R. Gelling, The Malaysian Rubber Producers' Research Association. Authors look at ENR, natural rubber epoxidized at the latex stage, and regard it as a new polymer, since in some properties it more closely resembles synthetic rubbers rather than natural rubber.

21 Using chemicals to control NR processability
by Paul A. Danilowicz and Brian C. Howard, Struktol Company. Authors examine several methods of controlling natural rubber processability.

26 Truck tires to meet present and future service requirements
by Lloyd C. Cooper, The Firestone Tire & Rubber Company. A look at how changing and future service requirements are expected to influence the types of truck tires designed to meet the trucking industry's needs.

33 Patent news
edited by Bob Samples, Akron Rubber Development.

37 Rubber Division schedule
Paper schedule for the 127th meeting of the Rubber Division of the American Chemical Society, which will take place April 23-26 in Los Angeles.

43 Technical Focus — Laser technology in the plant and laboratory
by David Given, technical editor. A look at several new applications of laser technology.

45 Techno Mart
New equipment, instruments, CAD/CAM and materials.

51 Compounding ingredients price list
Directory lists compounding ingredients prices based on the latest information supplied by the companies.

Departments

4 Editorial
6 Mailbag
34 Meetings
35 Calendar
68 Jobs & People
70 Literature

Cover

Cover photo courtesy of The Malaysian Rubber Bureau

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Business Briefs

Acquisitions, expansions

A multi-million dollar expansion at **Monsanto's** Akron, OH marketing and research center will nearly double the size of the existing research and applications laboratories and will provide facilities for additional professional people. The expansion is to be completed second quarter 1985.

The recent 255,000 sq. ft. addition to the **General Tyre & Rubber's** Karachi, Pakistan tire facility tripled the plant's annual capacity to 750,000 units and added approximately 250 employees. The operation manufactures bias passenger, light and medium truck and rear farm tires and tubes. Radials will be in production by the end of the year.

Dieffenbacher GMBH, Eppingen, West Germany has established a North American manufacturing subsidiary in Windsor, Ontario. Dieffenbacher North America will manufacture hydraulic presses up to 12 tons and press lines for various industries.

Arco Chemical Europe will construct a plant to produce its Poly bd liquid resins (liquid hydroxyl terminated homopolymers of butadiene) at its existing petrochemical complex in Rotterdam, The Netherlands. Start up is scheduled for next year.

Burgess Pigments has begun a $3.5 million expansion that will increase capacity of aluminum silicate pigments 120 tons per day.

Compo Industries reached an agreement in principle to acquire **Sidlaw Tile Service** of Anqubar, Scotland, the largest contract backer of modular carpet tile in Europe.

Emery Chemicals expanded separation capacity for the production of oleic, stearic and isostearic acids.

American Hoechst has agreed to purchase the 74% interest of **Hercules, Inc.** in Hercofina, a joint venture of Hercules and America Petrofina. Hercofina manufactures dimethyl terephthalate and terephthalic acid.

BFGoodrich purchased **A&M Engineered Composites**, Marlboro, MS, engineers and fabricators of reinforced plastic structures. BFG also said it plans to sell its Off-Highway Braking Systems Division. The division operates plants in Bloomington, IN, The Netherlands and Brazil and employs 290.

Hercules Specialty Chemical opened a sales office in Magnolia, TX to serve the southwest.

Peeter Cooper Corp.'s facility dedicated to water borne adhesives, hot melt adhesives and chemical curing adhesives in Pineville, NC is scheduled to be completed the first quarter of 1985.

Witco Chemical acquired the Clark, NJ plant and certain other assets of the **Stokes Division** of Exide Corp., a manufacturer of battery cases and parts.

EPE Inc. a supplier of equipment and replacement parts to the rubber industry moved its offices to Strongsville, OH. EPE represents the Carl Aug. Picard Co. of West Germany on a worldwide basis.

United Catalysts, Louisville, KY acquired the **Albion Kaolin Co.**, Hephizibah, GA and plans to expand the mining and production facilities and diversify the line.

Uniroyal Tire acquired **American Tire Co.**, a seven-location chain of retail outlets in the Atlanta, GA area.

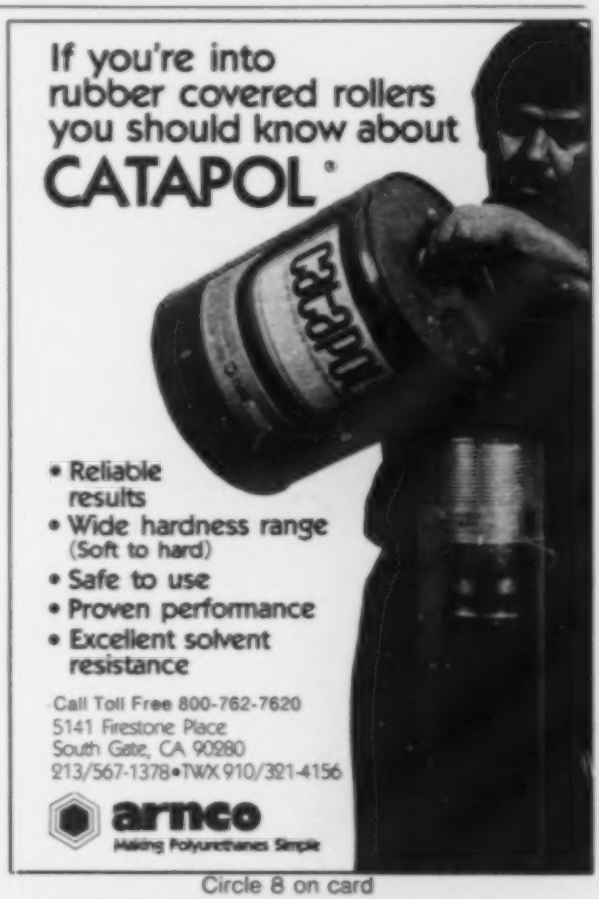
Sidel Inc. a subsidiary of SMTP, Sidel, Paris, a manufacturer of stretch-blowing machines was formed in Atlanta, GA.

The **Industrial Fabrics Association International** opened a Washington, D.C. office.

Ashland Petroleum will expand its carbon fibers pro-

RMA tire & tube report through November 1984
(figures in thousands of units)

	1984	1983	% Change
Passenger Tires			
Shipments			
Original Equipment	47,142	39,775	+18.52
Radial	39,499	33,205	+18.95
Replacement	134,771	125,041	+7.78
Radial	103,014	87,193	+18.14
Export	5,495	3,724	+47.56
Radial	3,996	2,557	+56.28
Total	187,408	168,540	+11.19
Radial	146,509	122,955	+19.16
Production	159,959	143,427	+11.53
Radial	121,373	100,400	+20.89
Truck & Bus Tires			
Shipments			
Original Equipment	7,304	4,981	+46.64
Radial	3,835	2,336	+64.17
Replacement	29,357	27,745	+5.81
Radial	10,416	9,257	+12.52
Export	1,231	933	+31.94
Radial	562	439	+28.02
Total	37,892	33,659	+12.58
Radial	14,813	12,032	+23.11
Production	33,735	28,013	+20.43
Radial	12,688	8,777	+44.56



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duction capacity from 30 to 100 tons annually.

PMS Consolidated has opened a Fiber Service Center in Lithia Springs, GA to provide colorant development and testing as well as dispersions and color concentrates for the synthetic fiber industry.

Contracts, licenses

Exxon Chemical America appointed **The C.P. Hall Co.** as its sales agent for the west coast of the U.S. C.P. Hall has offices and warehouse in Torrance, CA.

Prodicon S.r.l., Milan, Italy appointed the **F.A. Ziegler Co.**, Homewood, IL as exclusive agent in the U.S. for marketing of their engineering consulting services and machinery. Prodicon manufactures batch-off machines and cooling lines, conveying and weighing systems, slitters, deflashing and mold cleaning equipment.

Union Carbide licensed the rights from the **General Electric Co.** under a broad range of patents relating to radiation curable epoxide systems. As a result of the arrangement, Union Carbide's customers for its Cyracure cycloaliphatic epoxides will be free to practice the technology covered by approximately 200 GE, 3M and Union Carbide patent rights.

Resinall, a manufacturer of hydrocarbon and rosin based esters, named **Stochem, Inc.**, Mississauga, Ontario as sales representative throughout Canada.

Mozel Chemical Products, Menlo Park, NJ expanded its distribution of **Englehard** products for coatings and adhesives to parts into AK, AL, northern LA and northern MI.

Bridgestone Corp. chose **Mitsubishi International Corp.** as agent for Bridgestone's Cord Switch in the U.S.

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Financial statements

Armstrong Rubber reported net income for the first quarter was $7.4 million on sales of $169.8 million.

Blasius Industries' net earnings for its second quarter were $918,000 on sales of $11.4 million.

Carlisle Corp. reported net earnings of $32.5 million for the year on sales of $527.1 million.

Compo Industries' net income for the first quarter was $418,000 on revenues of $42.1 million.

Cooper Tire & Rubber reported net income for the year amounted to $24.6 million on a record net sales of $555.4 million.

Eagle-Picher had a 1984 net income of $28.1 million on record sales $663.9 million.

Exxon Corp. reported 1984 net income was $5.5 billion on revenues of $97.2 billion.

GenCorp reported that its 1984 net income was $7.2 million and sales were $2.7 billion.

RMA industry rubber report through December 1984 (figures are expressed in metric tons)

	Cumulative 1984	Cumulative 1983	% Change 84 vs 83
Total New Rubber			
New rubber available	3,131,814	2,805,038	11.65
Imports	1,036,763	868,953	19.31
Exports	385,903	309,769	24.58
Apparent Consumption	2,735,068	2,504,215	9.22
Total Natural Rubber			
Imports	798,851	680,506	17.39
Exports	34,533	18,496	86.71
Apparent Consumption	750,715	676,272	11.01
% Total new rubber	27.44	27.00	
Total Synthetic Rubber			
Production	2,095,051	1,936,085	8.21
Imports	237,912	188,447	26.25
Exports	351,370	291,273	20.63
Apparent Consumption	1,984,353	1,827,942	8.56
% Total new rubber	72.55	72.99	
Total SBR			
Production	958,355	904,486	5.96
Imports	71,603	63,196	13.30
Exports	103,606	85,410	21.30
Apparent Consumption	921,324	887,019	3.87
Total Nitrile			
Production	67,240	55,041	22.16
Imports	11,889	9,093	30.75
Exports	8,542	6,852	24.66
Apparent Consumption	65,263	57,227	14.04
Polybutadiene			
Production	359,308	332,683	8.00
Imports	64,980	48,572	33.78
Exports	24,439	16,258	50.32
Apparent Consumption	411,616	355,540	15.77
Ethylene-Propylene			
Production	214,870	175,229	22.62
Imports	1,321	686	92.57
Exports	33,642	30,453	10.47
Apparent Consumption	175,328	142,539	23.00
Butyl, Polyisoprene, Silicone and other Synthetic Elastomers			
Production	365,481	353,314	3.44
Imports	83,893	59,829	40.22
Exports	137,440	111,517	23.25
Apparent Consumption	320,939	300,324	6.86
Polychloroprene			
Production	129,796	115,334	12.54
Imports	4,226	7,071	-40.23
Exports	43,701	40,783	7.15
Consumption	89,884	85,294	5.39